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Complete if Known					
Application Number	10/643581-Conf. #3956				
Filing Date	August 19, 2003				
First Named Inventor	Laurie H. GLIMCHER				
Art Unit	1633				
Examiner Name	Q.J. Li				
Attorney Docket Number	HUI-041DV				

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			

		FOREI	GN PATENT	DOCUMENTS		$\neg$
Examiner nitials	Pelle Nati	Foreign Patent Document Code - Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures	7°
	B1	WO-97/39721-A2	10-30-1997	President and Fellows of Harvard College	<del></del>	
	6Z	EP-0857780-A1	08-12-1998	Sumitomo Electric Industries, Ltd.		

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		NON PATENT LITERATURE DOCUM	ENTS		
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article magazine, journal, serial, symposium, catalog, etc.), date, page(s), and/or country where publish	volume-issue ni	ate), title of the item (book, umber(s), publisher, city	۲
	C1	Andersson, L-O, "Pharmacology of apolipoprotein A-I," Cu	rr. Opin. Lipido	ol. 8:225-228 (1997)	7
	C2	Bancroft, A.J. et al., "Cytokine Production in BALB/c Mice Attenuated Third Stage Larvae of the Filarial Nematode, B 150(4):1395-1402 (1993)	Immunized wit rugia pahangi,	h Radiation " J. Immunol	
77	C3	Beg, A.A. et al., "Embryonic lethality and liver degeneration component of NF-kB," Nature 376:167-170 (1995)			
ILIPLI	PA	Chen, B.P. et al., "Analysis of ATF3, a transcription factor and modulated by gadd153/Chop10," Mol. Cell Biol. 16:11	57-1168 (1996	j)	
41 -	C5 '	Chen, C. et al., "In Vitro Induction of T Cell Anergy by Bloc Costimulatory Molecule ETC-1/B7-2," Immunity 1:147 54	(1994)		
	C6	Chen, H. et al., "Regulation and Activities of α-Fotoprotein Gene Expression 7(1&2):11-41 (1997)		_	
	C7	Clauss, I.M. et al., "In Situ Hybridization Studies Suggest a Zipper Protein hXBP-1 in Exocrine Gland and Skeletal Dev Embryogenesis," Dev. Dynamics 197:146-156 (1993)	Role for the E elopment Dur	Basic Region-Leucine ing Mouse	
	C8	Clerici, M. et al., "A T <sub>H</sub> 1 — H2 switch is a critical step in the Today 14(3):107-111 1993)	etiology of HI	V infection," Immunol.	
	C9	Dallman, M.J., "Atokines and transplantation: Th1/Th2 resolid organ ransplants in the adult," Curr. Opin. Immunol.	gulation of the 7:632-638 (199	immune response to	
	C10	Else, No. et al., "Cytokine-mediated Regulation of Chronic Exp. Med. 179:347-351 (1994)	Intestinal Heir	ninth Infection," J.	
	C11	Fässler, R. et al., "Consequences of lack of &1 integrin ger Development 9:1896-1908 (1995)	ne expression i	in mice," Genes &	
	C12	Fauci, A.S., "The Human Immunodeficiency Virus: Infectiv Pathogenesis," Science 239:617-623 (1988)	ity and Mecha	nisms of	
Examiner Signature		Q. Janice Li/ (04/09/2007)	Date Considered		-

PTO/SB/08a/b (07-05)
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				Application Number	10/643581-Conf. #3956	
10	<b>VFORMATION</b>	d Di	SCLOSURE	Filing Date	August 19, 2003	
S	TATEMENT I	BY A	APPLICANT	First Named Inventor	Laurie H. GLIMCHER	
				Art Unit	1633	
	(Use as many sh	eets &	s necessary)	Examiner Name	Q.J. Li	
Sheet	2	of	4	Attorney Docket Number	HUI-041DV	

1	C13	Fowler, D.H. et al., "Donor CD4-Enriched Cells of Th2 Cytokine Phenotype Regulate Graft-
L	N 1	Wersus Host Disease Without Impairing Allogeneic Engraftment in Sublethally Irradiated Mice."
1711		8/06d284(10):3540-3549 (1994)
	C18_ 1	Fówler, D.H. et al., "Donor Lymphoid Cells of The Cytokine Phenotype Reduce Lethal Graft
		Versus Host Disease and Facilitate Fully Allogeneic Cell Transfers in Sublethally Irradiated
		Mice," Advances in Bone Marrow Purging and Processing: Fourth International Symposium.
i l		Prog. Clin. Biol. Res. 389:533-540 (1994)
	C15-	Gabay, C. et al., "Acute-Phase Proteins and Other Systemic Responses to Inflammation,"
		New England Journal of Medicine 340(6):448-454 (1999)
	C16	GenBank Accession No. A36299 for transcription factor hXBP-1 - human, dated September
/qjl/		10. 1999
1	C17	GenBank Accession No. BAA82600 for hepatocarcinogenesis-related transcription factor
1 1 1	017	(HTF) [Rattus norvegicus], dated April 14, 2000
<del></del>	C18	
		GenBank Accession No. CAA39149 for TREB protein [Homo sapiens], dated March 8, 1993
IV	C19	GenBank Accession No. GI:4827058 for X-box binding protein 1; X-box-binding protein-1
		[Homo sapiens], dated November 1, 2000
/qjl/	C20	GenBank Accession No. P17861 for X BOX BINDING PROTEIN-1 (XBP-1) (TREB5
		PROTEIN), April 24, 1993
	C21	Gorczynski, R.M. et al., "Interleukin 12 in Combination With Anti-Interleukin 10 Reverses-Capft
		Prolongation After Portal Venous Immunization," Transplantation 60(11):1337-1341 (1995)
	C22	Grzych, JM. et al., "Egg Deposition is the Major Stimulus for the Production of Th2 Sytokines
		in Murine Schistosomiasis Mansoni," J. Immunol. 146(4):1322-1327 (1991)
	C23	Gualdi, R. et al., "Hepatic specification of the gut endoderm in vitro: cell signaling and
	• -	transcriptipni control," Genes Dev. 10:1670-1682 (1996)
	1231	Gunes, C. et al., "Embryonic lethality and liver degeneration in mice lacking the metal-
1 1 11 1	ושו	responsive transcriptional activator MTF-1," EMBO J. 17:2846-2854 (1998)
$\vdash \cup \lor \lor$	C25	Hentsch, B. et al., "Hix homeo box gene is essential for an inductive tissue interaction that
	<b>U2</b> 3	
<del></del>	C26	drives expansion of embryonic liver and gut," Genes Dev. 10:70-79 (1996)
1 1	C26	Hirsch, E. et al., "Impaired migration but not differentiation of haematopoietic stem cells in the
<b></b>	000	absence of ß <sub>1</sub> integrins," Nature 380:171-175 (1996)
	C27	Jacks, T. et al., "Effects of an Rb mutation in the mause," Nature 359:295-300 (1992)
1	C28	Khoury, S.J. et al., "Oral Tolerance to Myelin Basic Protein and Natural Recovery from
1		Experimental Autoimmune Encephalomyelitic Are Associated with Downregulation of
1 1		Inflammatory Cytokines and Differential β pregulation of Transforming Growth Factor β,
		Interleukin 4, and Prostaglandin E Expression in the Brain," J. Exp. Med. 176:1355-1364
		(1992)
	C29	Kishimoto, T. et al., "Enhanced Expression of a New Class of Liver-enriched b-Zip
		Transcription Factors, Hepatocarcinogenesis-related Transcription Factor, in Hepatocellular
<b>j</b>		Carcinomas of Rats and flumans," Cell Growth & Differentiation 9:337-344 (1998)
	C30	Kishimoto, T. et al., "ATF: A B-Zip Transcription Factor That Is Closely Related to the Human
i i		XBP/TREB5 and a Activated by Hepatocellular Carcinoma in Rats," Biochem. Biophys. Res.
	j	Commun. 223. 46-751 (1996)
<del>                                     </del>	C31	Kullhora MC et al. "Infaction With Cabiatanama and Alean The Chabling
	U31	Kullberg, M.C. et al., "Infection With Schistosoma mansoni Alters Th1/Th2 Cytokine
<b> </b>		Responses to a Non-Parasite Antigen," <i>J. Immunol.</i> 148(10):3264-3270 (1992)
	C32	Leg E. YH. P. et al., "Mice deficient for Rb are nonviable and show defects in neurogenesis
	ليبي	and haematopoiesis," Nature 359:288-294 (1992)
j	C33	Levy, A.E. et al., "Administration of Ingraft Interleukin-4 Prolongs Cardiac Allograft Survival in
		Rats Treated With Donor-specific Transfusion/Cyclosporine," Transplantation 60:405-406
/		(1995)
	C34	Liou, H-C. et al., "A New Member of the Leucine Zipper Class of Proteins That Binds to the
	_	HLA DRα Promoter," Science 247:1581-1584 (1990)
Examiner		
Signature	]	/Q. Janice Li/ (04/09/2007) Date
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PTO/SB/08a/b (07-05)
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				Art Unit	1633	
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Sheet	3	of	4	Attorney Docket Number	HUI-041DV	

F .	
C	Locksley, R.M. et al., "Helper T-cell subsets in mouse leishmaniasis: induction, expansion and effector function," <i>Immunoparasitology Today</i> 1:A58-A61 (1991)
C	Maeda, H. et al., "Adoptive transfer of a Th2-like cell line prolongs MHC class II antigen
C	
	aspiration syndrome," J. Biol. Chem. 274(25):17813-17819 (1999)
C	Hematopoiesis," Cell 65:677-689 (1991)
CS	human class II major histocompatibility genes and forms a heterodimer with cros," Proc. Natl. Acad. Sci. USA 88:4309-4312 (1991)
C4	
C4	Responses by a Parasitic Helminth, Schistosoma mansoni," J. Exp. Med. 173:159-166 (1991)
C4	Pearlman, E. et al., "Induction of Murine T-Helper-Cell Responses to the Filarial Nematode Brugia malayi," Infection and Immunity 61(3):1105-1112 (1993)
C4	Pisa, P. et al., "Selective expression of interleukin 10, interferon γ, and granulocyte-macrophage colony-stimulating factor in ovarian cancer bippsies," <i>Proc. Natl. Acad. Sci. USA</i> 89:7708-7712 (1992)
C4	Rapoport, M.J. et al., "Interleukin 4 Reverses T Cell Poliferative Unresponsiveness and Prevents the Onset of diabetes in Nonobese Diabetic Mice," J. Exp. Med. 178:87-99 (1993)
C4	Reimold et al., "Transcription Factor B Cell Lineage-specific Activator Protein Regulates the Gene-for Homan X-Box Binding Protein 1," J. FAp. Med. 183:393-401 (1996)
T 64	Rei rold et al, "Chondrodysplasia and neurological abnormalities in ATF-2-deficient mice,"  Nature 879:262-265 (1996)
404	Reimold, A. et al., "Control of Terminal P Cell Differentiation by Transcription Factor XBP-1,"  Arthritis & Rheumatism 42(9 Suppl.):958 (1999)
C4	Reimold, A.M. et al., "An essential role in liver development for transcription factor XBP-1,"  Genes & Development 14:152-157 (2000)
C4	Rudolph, D. et al., "Impaired fetal T cell development and perinatal lethality in mice lacking the
C5	CAMP response element binding protein," Proc. Natl. Acad. Sci. USA, 95(8):4481-4486 (1998)  Schmidt, C. et al., "Scatter factor/hepatocyte growth factor is essential for liver development,"
	Nature 373:699-702 (1995)
C5	in the regenerating over," Genes Dev. 12(23):3639-3643 (1998)
C5	Shearer, G.M. et al., "T helper cell immune dysfunction in asymptomatic, HIV-1-seropositive individuals: the fole of TH1-TH2 cross-regulation," Chem. Immunol. 54:21-43 (1992)
C5	Simon, A.K. et al., "Divergent T-cell cytokine patterns in inflammatory arthritis," <i>Proc. Natl. Acad. Sci. USA</i> 91:8562-8566 (1994)
C5-	Takeucki, T. et al., "Heart Allografts in Murine Systems. The Differential Activation of TH2- Like Effector Cells in Peripheral Tolerance," <i>Transplantation</i> , 53(6):1281-1291 (1992)
C5	Tago, R., "Transcriptional control of liver regeneration." FASEB J., 10:413-427 (1996)
C5(	Thai, N.L. et al., "Cytokine mRNA Profiles in Mouse Orthotopic Liver Transplantation,"  Transplantation 59(2):274-281 (1995)
C5	Tzakis, A.G. et al., "Early Tolerance in Pediatric Liver Allograft Recipients," <i>J. Pediatr. Surg.</i> 29(6):754-756 (1994)
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STATEMENT BY APPLICANT				First Named Inventor	Laurie H. GLIMCHER	
				Art Unit	1633	
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Sheet	4	of	4	Attorney Docket Number	HUI-041DV	

	Coo Yoshimura/Tiet al"Multiple cDNA clones encoding nuclear proteins that bind to the tax
ı	dependent enhancer of HTLV-1: all contain a leucine zipper structure and basic amino acid
ı	domain," <i>EMBO J. 9(8)</i> :2527-2542 (1990)
	G61 European Search Report for Application No. 05013817.1-2401, dated March 17, 2006

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

C	10 Tables 11/0//00/2007)		
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